

FREE SPACE COMMUNICATIONS SYSTEM EMPLOYING LINE OF SIGHT RADIATION

Patent number: WO9534963
Publication date: 1995-12-21
Inventor: KNOWLES MICHAEL (GB)
Applicant: IML LTD (GB); KNOWLES MICHAEL (GB)
Classification:
 - international: **H04B10/10; H04B10/10; (IPC1-7): H04B10/10**
 - european: **H04B10/10N3**
Application number: WO1995GB01419 19950616
Priority number(s): GB19940012031 19940616

Also published as:

EP0765546 (A)
 US5870214 (A)
 EP0765546 (B)
 AU693564 (B2)

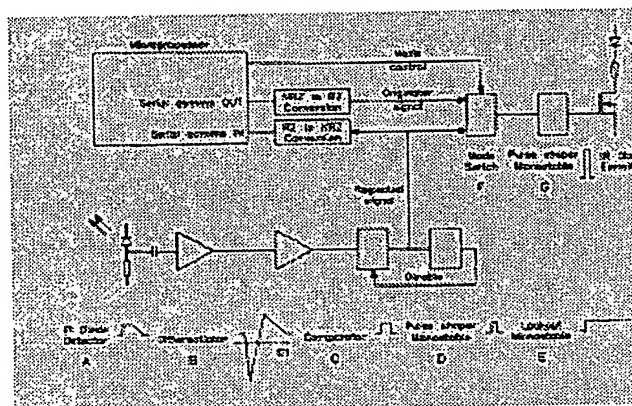
Cited documents:

WO9107028
 US5099346
 DE2431937

Report a data error he

Abstract of WO9534963

A signal transmission system comprises a transmitter arranged to transmit a coded signal as a series of pulses of line of sight radiation having a predetermined minimum interval therebetween, a receiver responsive to such radiated pulses received at a corresponding minimum interval, and a plurality of repeater devices. Each repeater device comprises a radiation receiving element, a radiation transmitting element, and means responsive to receipt of a pulse of transmitted energy by said receiving element for causing said transmitting element to emit a corresponding pulse of transmitted energy and for causing said receiving element to be disabled for a predetermined period of time corresponding to at least a multiple of the duration of the pulse transmitted by said transmitting element. A plurality of the repeater devices can thus be arrayed between said transmitter and receiver to provide a plurality of line of sight radiation propagation paths with a plurality of repeaters each in line of sight of the transmitter and/or other repeaters and with the receiver in line of sight of a plurality of said repeaters so that random interruption of the signal propagation paths does not interrupt the transmitted signal. Each repeater may comprise its own transmitter and keypad to provide an audience polling system.



Data supplied from the esp@cenet database - Worldwide